

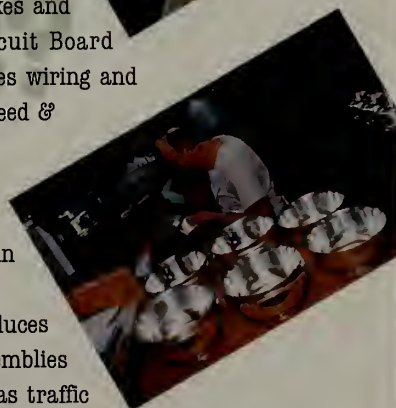
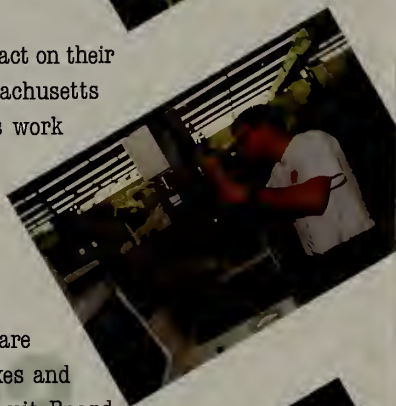
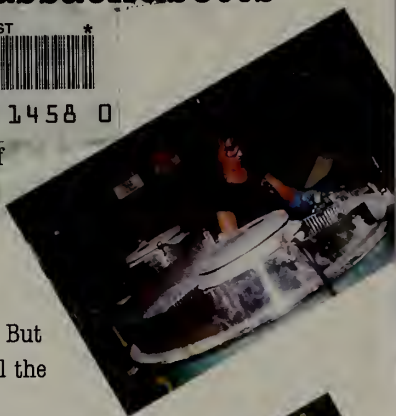
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The Person Reading This Booklet Is Discovering Who Makes What Where in Massachusetts



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When most people think of manufacturing, they think of big ticket items like the cars they drive, their television sets, and defense-related products. But not many of us think of all the other ways in which manufacturing has an impact on their lives. Thousands of Massachusetts manufacturing companies work hard every day to make life better and easier for all of us. For instance, Extrusion Technology in Randolph manufactures aluminum products that are used in fire alarm call boxes and computer modems. Circuit Board Express in Haverhill makes wiring and printed circuit boards. Reed & Barton in Taunton are manufacturing the medals for the 1996 Summer Olympic Games in Atlanta. Kennedy Die Casting in Worcester produces components and sub-assemblies for use in such products as traffic lights and computers. Graphic Impact Signs in Pittsfield makes neon and plastic signs. These are only a few of our over 13,000 manufacturers who employ over 450,000 people and produce over \$21 billion worth of goods for the Massachusetts economy.



Did You Know...

...Manufacturing is vital to our local, state, and national economies.

There are over 13,000 manufacturers in the Commonwealth of Massachusetts:

61% of all manufacturers employ under 10 people.

87% of all manufacturers employ under 50 people.

Approximately one out of every seven jobs in the Commonwealth is in manufacturing.

Employment in manufacturing averaged 452,000 jobs in 1995.

Manufacturing produces \$21.8 billion worth of goods for the Massachusetts economy, providing the largest share (22%) of our gross state product.

Manufacturing jobs pay an average of \$38,674, which is 25% above the state average.

Manufacturing has the largest total payroll of any industry in Massachusetts, providing \$12 billion in wages, and the third highest average wage.

Manufacturing exports brought nearly \$14.5 billion into the state in 1995, far surpassing any other Massachusetts industry.

Manufacturing companies and their employees contribute over \$1 billion annually to the Commonwealth's tax revenues.

According to the 1995 Economic Report, each new manufacturing job creates 1½ additional new jobs in the state.

Manufacturing provides high-skill, high-wage jobs that significantly contribute to Massachusetts' high standard of living and economic vitality.

Discovering Manufacturing Through Art...

The Assemblage of Products Manufactured in Massachusetts, unveiled during the Opening Ceremonies of Manufacturers' Week on June 10, 1996, in the Great Hall at the State House, has been created to honor the Commonwealth's manufacturers. The sculpture is a joint effort of over 150 manufacturing companies, Bay State Skills Corporation, and the Massachusetts Manufacturing Partnership. It is a work in progress that will be added upon every year to reflect the development of manufacturing in Massachusetts.



Assemblage Project Crew

Bruce McIntosh, Assemblage Artist

Bruce Sanders, Designer

Amy Pretak, Project Manager

Ed MacKinnon, Photographer

Eileen Perry Lambert, Videographer

A.T. Associates, Industrial Designers /

Fabricators

The Assemblage of Products Manufactured in Massachusetts was created using products from the companies listed here:

Manufacturing Partnership of Western Massachusetts

American Fiber & Finishing, Colrain – Personal care products
American Saw & Mfg Co, East Longmeadow – Commercial saw blades
Ashfield Stone Quarry, Ashfield – Stone and masonry
Berkshire Brewing Company, South Deerfield – Bottled beers
BETE Fog Nozzle, Inc., Greenfield – Screw nozzle
Columbia Mfg, Westfield – Chairs, desk/chair combinations
Crane & Co., Dalton – Paper samples, shredded dollar bills and jeans
Danaher Tool Group, Springfield – Ratchets
Data Flute CNC, Pittsfield – Cutting tools
Decorated Products, Westfield – Nameplates, labels, decals
Dielectric Polymers, Inc., Holyoke – Splicing/platers tapes
Energy Food Factory, Inc., Greenfield – Food products
ESLEECK Mfg Co. Inc., Turners Falls – Blue Jean bond paper
Geka Brush, Turners Falls – Cosmetics brushes
Graphic Impact Sign, Pittsfield – Signs
Greenfield Industries, Greenfield – Taps
Hardigg Industries, South Deerfield – Cases, Skid-Mate Cushions, neck trauma stretcher
Hazen Paper Company, Holyoke – Paper products
Heat Fab, Greenfield – SAF-T vents
Hillside Plastics, Inc., Turners Falls – Plastic containers
International Paper (Strathmore Paper), Millers Falls – Books, watercolors
Judd Wire Inc., Turners Falls – Wire
Lamson & Goodnow Mfg (Lunt Silversmiths), Shelbourne Falls – Knives
Lee Lime Corporation, Lee – Packaging materials
Leyden House Ltd, Leyden – Essential air diffusers
Lunt Silversmiths, Greenfield – Teaspoon and fork process
Main Street Millworks, Greenfield – Wood milling
Mayhew Tools, Shelburne Falls – Screwdriver and pry bar set
Modern-Magnus Mold, Pittsfield – Keypad shell, plug base
Mole Hollow Candles, Shelburne Falls – Candles
Poly-Matrix Inc., Pittsfield – Jewel boxes, CD trays
Rugg Manufacturing Company, Greenfield – Back-saver metal rake
Small Corporation, Greenfield – Display case, frame corners
SpringBoard Technology Corp., Springfield – CD-ROM readers, drives
Techni-Products, Inc., East Longmeadow – Machined aluminum parts
WESCO Electrical Co., Greenfield – Chipboard cards and finished units
West County Winery, Colrain – Wine
Yankee Candle Company, South Deerfield – Candles

Central Massachusetts Manufacturing Partnership

Automatic Eagle Signal Division, Clinton – Traffic light
Cranston Print Works, Webster – Rotary screen printed pillow
David Clark Company, Worcester – Aviation headset
F & M Tool & Plastics, Leominster – Workstation, basket, and lunchbox
FLEXon Company, Inc., Spencer – Cloth laminates, labels
Galileo, Electro-Optics Corp., Sturbridge – Scientific detector, microchannel plates
Golden Grain (Div. of Quaker Oats), Leominster – Rice-a-Roni, Rice Pilaf
Hood Industries, Inc., Leominster – Packaging for absorber sponges
H & R 1871, Gardner – Copper shotgun
Incom, Charleton – Night vision magnifying device
Kennedy Die Castings, Inc., Worcester – Traffic light (shell)
L. Farber Company, Inc., Worcester – Leather welting
LUTCO Ball Bearings, Worcester – Ball bearings
Lutxet, Worcester – Surgical headgear
ModuForm, Inc., Fitchburg – Plastic chair
Norton Company, Worcester – Grinding disks, ceramic parts
Nypro, Inc., Clinton – Medical parts
Parker Metal Corporation, Worcester – Folding shopping cart
Plastican, Leominster – Pails and recycling bins

Polar Corporation, Worcester – Bottled and canned soft drinks
Presmet Corporation, Worcester – Metal auto parts
Quabaug Corporation, North Brookfield – Vibram shoe soles
Ralphco, Inc., Worcester – Crayon and Pepsi banks
Ramco Mfg Corp., Worcester – Double-hung windows
RJ Toomey, Worcester – Clerical shirts
St. Pierre Mfg Corp., Worcester – Horseshoes
Union Products, Leominster – Garden flamingos
Walker Scientific, Worcester – Field monitor
Wolf Coach Company, Auburn – TV satellite truck model
Woodbury & Co. Inc., Worcester – Paper products, White House notecards
Worcester Brush, Worcester – Industrial brushes

Merrimack Valley Manufacturing Partnership

A-S-E Americas, Inc., Billerica – Solar panel
BKC Semiconductors, Inc., Lawrence, – Electronic components
BNZ Materials, Inc., North Billerica – Structural insulations
Eastern Packaging, Inc., Lawrence – Cellophane bags
Frequency Devices, Haverhill – Filters
Gillette Company, Boston – Personal toiletry products
Global Design & Procurement, North Andover – Machined parts
Hamilton Horse Cookie Co., Hamilton – Gourmet horse and dog biscuits
Hi-Tech Hose, Newburyport – Air handling hose
Hussey Plastics, Tyngsboro – Plastics (lids, seats)
Integrated Solutions, Tewksbury – Wafer stepper, photo
LePage's, Inc., Gloucester – Tape, tags, labels
Lowell Worsted Mills, (Div. of Classic Elite Yarns), Lowell – Lace mohair
Lynn Sign, Inc., Merrimack – Injection molded letters, display case
Malden Mills, Lawrence – Polartec fabric
Medica Corporation, Bedford – EasyLite Plus analyzer
Merrimac Tool Company, Merrimac – Pneumatic manifold
MURO Pharmaceutical Inc., Tewksbury – Pharmaceutical products
Nailhead Creations, Inc., Lawrence – Glitter and metallic fabrics
National Northeast, Lawrence – Heat sinks
NexTek, Inc., Westford – Feedthrough filters
Parlex Corporation, Methuen – Deisel engine control module
Physiometrix, Inc., North Billerica – Headgear, sensors
Rapid Board Industries, North Billerica – Essential air diffuser
Stajer Corporation, Lowell – Equipment guards
Styletek, Lowell – Heels, wedges, T-wrenches
Tao-Tech, Inc., Bedford – Timer for essential air diffuser
Tech-Ceram Corporation, Amesbury – Ceramic components
Varian Associates, Gloucester – Ion source assembly

Greater Boston Manufacturing Partnership

Altet Plastics, Inc., South Boston – Plexiglas display case
Ametec Engineered Components, Cambridge – Teenut fasteners, plug buttons
American Surgical Sponges, Lynn – Sponges
Ames Safety Envelope Co., Somerville – Medical record folders, software and CD packaging
Arlene's Sportswear, Inc., South Boston – Pleated red skirt
Boston Centerless, Malden – Cylinders, screws, tips
Boston Scientific Corporation, Watertown – Ultra-thin catheter
Boyd Coatings, Hudson – Coated guidewires
Brady Enterprises, East Weymouth – Seasoning, stuffing
Crystal Systems, Salem – Sapphire laser rod
Data Instruments, Inc., Acton – Electronic instruments
De Stefano Studios, Inc., Woburn – Mannequins, parts, hangers
Dendritics, Inc., Waltham – Portable gem scale
ESSCO, Concord – Radome panel
Foxboro Company, Foxboro – Pressure transmitter

General Eastern Instruments, Woburn – Humidity measurement device
HandsOnToys, Inc., Woburn – Toobers & Zots and Oobles
H.P. Hood, Inc., Boston – Food products
IVEX Packaging, Newton – Packaging film, corrugated paper and mats
Jefferson Smurfit Corporation, Wakefield – Cardboard boxes
JPL Industries, Salem – Electrical harnesses
Laser Science, Newton – Laser components
MacNeill Engineering Co, Inc., Marlborough – Display bowls
Metropolitan Machine Company, Medfield – Precision metal stampings
Ostram Sylvia, Danvers – Interior car lights
Pikel Vision, Inc., Acton – Flat panel display
Plymouth Rubber Company, Canton – Vinyl electrical tape
Pollak Engineered Products Group, Canton – Heated seat switch
Seabeam Instruments, East Walpole – Transponders and contour maps
Sensitech, Inc., Beverly – Temperature monitors
Shop Aid Inc., Woburn – Air nozzle and shim
Spir-it, Inc., Wakefield – Stirsticks
Sweetheart Cup Company, Somerville – Plastic cups, plates
TecDoc Publishing, Hudson – Books
Teradyne Corporation, Boston – Circuit board
United Electric Co, Watertown – Pressure switch and testing equipment
Universal Polymer Technologies, Inc., Lynn – Heat shrink tubing
Van-Wal Machine Inc., Bellingham – Precision machining
Wakefield Corporation, Wakefield – Metal gears, copper bearings
Whipple Company, Natick – Jams, pie fillings
Zildjian, Norwell – Cymbals
Zymark Corporation, Hopkinton – Lab station, evaporator

Southeastern Massachusetts Manufacturing Partnership

A & A Manufacturing, Inc., Fall River – U.S. Olympic sportswear
American Advantage, Fall River – Black and white dress
Clifflex Corporation, New Bedford – Shirt, tie, and sport coat
Crown Yarn Dye Co., Inc., South Attleboro – Fine yarn
Easy Aprons Unlimited, Sandwich – Aprons
Engineered Yarns America, Fall River – Multi-filament nylon yarn
FiberSpar, West Wareham – Hockey stick shafts
Fleece Dreams, Martha's Vineyard – Booties, hats
Harodite Finishing Co, Inc., North Dighton – Linings for blazers and boots
Hydros, Inc., Falmouth – Testing syringes
Island Flag, Oak Bluffs – Flag
Island Heat, Vineyard Haven – Fleece sweater
Jostens, Attleboro – High school rings
Lambeth Band Corp., New Bedford – Nylon elastic band
Lightolier, Fall River – Track lighting
Mount Hope Clothing Company, Fall River – Fleece Jacket
MouseHouse, Vineyard Haven – Ladies vest
MRFD Ltd, West Tisbury – Designer fabric
New England Ropes, Inc., Fall River – Mountain climbing rope
Periwinkle Studio, Vineyard Haven – Orange hand block-printed skirt
P.L.G.G. Cycle, Hyannis – Bicycle training weight
Polymer Design, Rockland – Injection molded parts
Randolph Engineering, Randolph – Sunglasses
Reed & Barton, Taunton – 1996 Summer Olympic Medals
Rex-Cut Products, Inc., Fall River – Grinding wheels
Robbins Company, Attleboro – Plaques, tree-mold ring
Roma Color, Inc., Fall River – Pigments
Sodium Inc., Randolph – Fixtures, bulbs
Vital Signs, Martha's Vineyard – Black bag
V-Tron Electronics Corporation, South Attleboro – Harnesses, plug cords
Whirlwind, Fall River – Hats
Woodland Waders, Martha's Vineyard – Vests
World Wide Optical Co, Inc., Attleboro – Logo pins/photos



Please call the Massachusetts Manufacturing Partnership at (800) 667-6347 to find out more about manufacturing and to become part of Manufacturers' Week 1997.

...The top three manufacturing industries
in your region are:

Western Massachusetts

2,000
Manufacturers

Printing and Publishing
Fabricated Metal Products
Industrial Machinery/Equipment

Central Massachusetts

2,000
Manufacturers

Printing and Publishing
Fabricated Metal Products
Industrial Machinery/Equipment

Merrimack Valley

2,000
Manufacturers

Printing and Publishing
Industrial Machinery/Equipment
Electronics

Greater Boston

5,000
Manufacturers

Printing and Publishing
Industrial Machinery/Equipment
Measuring and Analyzing Instruments

Southeastern Massachusetts

2,000
Manufacturers

Printing and Publishing
Fabricated Metal Products
Industrial Machinery/Equipment

Massachusetts Manufacturers Week 1996

Massachusetts Manufacturers
Bay State Skills Corporation (BSSC)
Massachusetts Manufacturing Partnership (MMP)
Massachusetts Office of Business Development (MOBD)
Executive Office of Economic Affairs (EOEA)
Associated Industries of Massachusetts (AIM)
Chambers of Commerce
Trade Associations
Other Supporters of Manufacturing